

IN THE CLAIMS

1. **(currently amended)** A communication device for performing wireless communication, comprising:

a measurement-period holding unit which holds for measurement of delay profiles values of a measurement period in correspondence with values indicating one or a combination of a wireless condition or a service quality level;

a change recognition unit which recognizes a change in at least one of the wireless condition and the service quality level, and notifies a measurement-period acquisition unit of the change;

said measurement-period acquisition unit which acquires from said measurement-period holding unit a value of the measurement period corresponding to said change of which the measurement-period acquisition unit is notified by the change recognition unit, wherein said measurement-period acquisition unit acquires the measurement period that is necessary to maintain reception quality when plural radio signals having different spread codes are received and the delay profiles values are measured; and

a delay-profile measurement unit which repeats the measurement of the delay profiles with the measurement period determined by said value acquired by the said measurement-period acquisition unit during a time which is necessary and appropriate for the measurement.

2. (original) The communication device according to claim 1, wherein said measurement-period holding unit holds for the measurement of the delay profiles values of the measurement period in correspondence with values indicating the number of spreading codes with which the delay profiles are to be measured, as said wireless condition, and said change recognition unit

recognizes increase or decrease in the number of spreading codes as a change in the wireless condition.

3. (original) The communication device according to claim 1, wherein said measurement-period holding unit holds for the measurement of the delay profiles values of the measurement period in correspondence with values indicating the measurement time as information indicating said service quality level, the measurement time is determined for the measurement of the delay profiles according to reception quality, and said change recognition unit recognizes increase or decrease in the measurement time as a change in the service quality level.

4. (original) The communication device according to claim 1, wherein said measurement-period holding unit holds for the measurement of the delay profiles values of the measurement period in correspondence with combinations of values of the number of spreading codes with which the delay profiles are to be measured and values of a measurement time which is determined for the measurement of the delay profiles according to reception quality, as combinations of said wireless condition and said service quality level, and said change recognition unit recognizes increase or decrease in at least one of the number of spreading codes and the measurement time as said change in at least one of the wireless condition and the service quality level.

5. – 12. (canceled)